Project Title	Funding	Strategic Plan Objective	Institution
A cerebellar mutant for investigating mechanisms of autism in Tuberous Sclerosis	$0	Q2.S.D	Boston Children's Hospital
Activity-dependent phosphorylation of MeCP2	$174,748	Q2.S.D	Harvard Medical School
A genome-wide search for autism genes in the SSC CHB	$0	Q3.L.B	Boston Children's Hospital
Analysis of the small intestinal microbiome of children with autism	$0	Q3.S.I	Massachusetts General Hospital
A prospective multi-system evaluation of infants at risk for autism	$0	Q1.L.B	Massachusetts General Hospital
A prospective multi-system evaluation of infants at risk for autism	$0	Q1.L.B	Massachusetts General Hospital
A randomized, controlled trial of intranasal oxytocin as an adjunct to behavioral therapy for autism spectrum disorder	$1,159,063	Q4.S.C	Massachusetts General Hospital
Architecture of myelinated axons linking frontal cortical areas	$0	Q2.Other	Boston University
A recurrent genetic cause of autism	$200,000	Q3.L.B	Massachusetts General Hospital
Assessing a participant directed service system for low income children with ASD	$0	Q5.S.B	Brandeis University
Autism Consortium	$300,000	Q7.N	Autism Consortium
Autism Intervention Research Network on Physical Health (AIR-P network)	$1,797,880	Q4.S.A	Massachusetts General Hospital
Autism Treatment Network (ATN) 2011-MGH/LADDERS	$140,000	Q7.N	Massachusetts General Hospital
Autism Treatment Network (ATN) 2011 - MGH Clinical Coordinating Center	$445,000	Q7.N	Massachusetts General Hospital
Behavioral and neural responses to emotional faces in individuals with ASD	$14,935	Q2.Other	Harvard University
Behavioral and sensory evaluation of auditory discrimination in autism	$178,529	Q2.Other	University of Massachusetts Medical School
Brain bases of language deficits in SLI and ASD	$651,988	Q2.Other	Massachusetts Institute of Technology
CAREER: Typical and atypical development of brain regions for theory of mind	$27,670	Q2.Other	Massachusetts Institute of Technology
Cell speciflc genomic imprinfing during cortical development and in mouse models	$312,559	Q3.S.J	Harvard University
Characterization of autism susceptibility genes on chromosome 15q11-13	$51,326	Q4.S.B	Beth Israel Deaconess Medical Center
Characterizing the genetic systems of autism through multi-disease analysis	$560,935	Q2.S.G	Harvard Medical School
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	$0	Q1.L.B	Trustees of Boston University
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	$0	Q1.L.B	Massachusetts Institute of Technology

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Collaborative research: RUI: Perceptual pick-up processes in interpersonal coordination	$0	Q2.Other	College of the Holy Cross
Communicative and emotional facial expression production in children with autism	$171,215	Q2.Other	University of Massachusetts Medical School
Comparing AMMT vs. Control Therapy in facilitating speech output in nonverbal children with autism	$60,000	Q4.S.G	Beth Israel Deaconess Medical Center
Contingency analyses of observing and attending in intellectual disabilities	$276,291	Q4.S.G	University of Massachusetts Medical School
Contingency manipulation in discrete trial interventions for children with autism	$171,215	Q4.Other	University of Massachusetts Medical School
Controlling interareal gamma coherence by optogenetics, pharmacology and behavior	$83,521	Q2.Other	Massachusetts Institute of Technology
Control of synaptic protein synthesis in the pathogenesis and therapy of autism	$301,087	Q4.S.B	Massachusetts General Hospital
Corticothalamic circuit interactions in autism	$50,000	Q2.Other	Boston Children's Hospital
Deficits in tonic inhibition and the pathology of autism spectrum disorders	$31,250	Q4.S.B	Tufts University
Delayed motor learning in autism	$356,598	Q4.Other	Brandeis University
Development of a high-content neuronal assay to screen therapeutics for the treatment of cognitive dysfunction in autism spectrum disorders	$0	Q4.S.B	Massachusetts Institute of Technology
Dimensions of mind perception	$0	Q2.Other	Harvard University
Dissecting the circuitry basis of autistic-like behaviors in mice	$350,000	Q4.S.B	Massachusetts Institute of Technology
Dissemination of multi-stage screening to underserved culturally-diverse families	$28,000	Q1.S.C	University of Massachusetts Boston
Do animations facilitate symbol understanding in children with autism?	$197,259	Q4.S.G	Northeastern University
Electrophysiological, metabolic and behavioral markers of infants at risk	$395,734	Q1.L.A	Boston Children's Hospital
Elucidating the function of class 4 semaphorins in GABAergic synapse formation	$337,818	Q2.Other	Brandeis University
Finding autism genes by genomic copy number analysis	$577,035	Q3.S.A	Boston Children's Hospital
Finding recessive genes for autism spectrum disorders	$361,824	Q3.L.B	Boston Children's Hospital
Functional money skills readiness training: teaching relative values	$374,926	Q5.Other	Praxis, Inc.
Genetically defined stem cell models of Rett and fragile X syndrome	$175,000	Q2.S.D	Whitehead Institute for Biomedical Research
Genome-wide analyses of DNA methylation in autism	$200,000	Q3.S.J	Massachusetts General Hospital
Guiding visual attention to enhance discrimination learning	$172,842	Q4.Other	University of Massachusetts Medical School

Project Title	Funding	Strategic Plan Objective	Institution
HCC: Collaborative research: Social-emotional technologies for autism spectrum disorders	$0	Q4.S.F	Massachusetts Institute of Technology
Identification of lipid biomarkers for autism	$0	Q1.L.A	Massachusetts General Hospital
Identification of targets for the neuronal E3 ubiquitin ligase PAM	$60,000	Q2.S.D	Massachusetts General Hospital
Identifying gastrointestinal (GI) conditions in children with autism spectrum disorders (ASD)	$0	Q1.L.A	Harvard Medical School
Imaging synaptic neurexin-neuroligin complexes by proximity biotinylation: Applications to the molecular pathogenesis of autism	$0	Q2.Other	Massachusetts Institute of Technology
Infrastructure support for autism research at MIT	$1,500,000	Q7.K	Massachusetts Institute of Technology
International Mental Health/Developmental Disabilities Research Training Program	$138,232	Q7.K	Boston Children's Hospital
Investigation of IL-9, IL-33 and TSLP in serum of autistic children	$8,650	Q2.S.A	Tufts University School of Medicine
Learning and compression in human working memory	$84,000	Q2.Other	Harvard University
Maternal risk factors for autism spectrum disorders in children of the Nurses' Health Study II	$0	Q3.L.C	Massachusetts General Hospital
Maternal risk factors for autism spectrum disorders in children of the Nurses' Health Study II	$0	Q3.L.C	Harvard University
Maternal risk factors for autism spectrum disorders in children of the Nurses' Health Study II	$0	Q3.L.C	Harvard University
MEG investigation of the neural substrates underlying visual perception in autism	$128,798	Q2.Other	Massachusetts General Hospital
Mental Health/Disabilities (MHDD) Research Education Program	$148,926	Q7.K	Boston Children's Hospital
Mice lacking Shank postsynaptic scaffolds as an animal model of autism	$0	Q4.S.B	Massachusetts Institute of Technology
MicroRNAs in synaptic plasticity and behaviors relevant to autism	$131,220	Q2.S.D	Massachusetts General Hospital
Molecular controls over callosal projection neuron subtype specification and diversity	$41,800	Q2.Other	Harvard University
Multimodal analyses of face processing in autism & down syndrome	$182,882	Q2.Other	University of Massachusetts Medical School
Multimodal studies of executive function deficits in autism spectrum disorders	$51,942	Q2.Other	Massachusetts General Hospital
Neonatal biomarkers in extremely preterm babies predict childhood brain disorders	$3,465,570	Q3.S.H	Boston Medical Center
Neural and cognitive mechanisms of autism	$0	Q4.S.B	Massachusetts Institute of Technology
Neural correlates of restricted, repetitive behaviors in autism spectrum disorders	$0	Q2.S.G	Massachusetts General Hospital

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Neural correlates of restricted, repetitive behaviors in autism spectrum disorders	$0	Q2.S.G	Massachusetts General Hospital
Neural mechanisms for social cognition in autism spectrum disorders	$112,523	Q2.Other	Massachusetts Institute of Technology
Neurobehavioral research on infants at risk for SLI and autism	$671,693	Q1.L.A	Boston University
Neurobehavioral research on infants at risk for SLI and autism (supplement)	$345,307	Q1.L.A	Boston University
Neurobiology of mouse models for human chr 16p11.2 microdeletion and fragile X	$249,480	Q4.S.B	Massachusetts Institute of Technology
Neuronal activity-dependent regulation of MeCP2	$426,857	Q2.S.D	Harvard Medical School
Neuropeptide regulation of juvenile social behaviors	$14,755	Q2.Other	Boston College
Neurophysiological investigation of language acquisition in infants at risk for ASD	$28,000	Q1.L.A	Boston University
New approaches to local translation: SpaceSTAMP of proteins synthesized in axons	$246,254	Q2.S.D	Dana-Farber Cancer Institute
Next generation approaches to non-human primate bioinformatics	$13,753	Q3.Other	Harvard Medical School
Novel methods for testing language comprehension in children with ASD	$127,500	Q1.S.B	Boston University
Optimizing initial communication for children with autism	$356,014	Q4.S.G	University of Massachusetts Medical School
Perinatal choline supplementation as a treatment for autism	$62,500	Q4.S.B	Boston University
Perturbed activity-dependent plasticity mechanisms in autism	$158,034	Q2.Other	Harvard Medical School
Population genetics to improve homozygosity mapping and mapping in admixed groups	$48,398	Q3.L.B	Harvard Medical School
Prosodic and pragmatic processes in highly verbal children with autism	$112,500	Q1.L.C	President & Fellows of Harvard College
Proteome and interaction networks in autism	$31,250	Q2.Other	Harvard Medical School
Quantitative analysis of craniofacial dysmorphology in autism	$69,173	Q1.S.A	University of Massachusetts Medical School
Randomized phase 2 trial of RAD001 (an MTOR inhibitor) in patients with tuberous sclerosis complex	$65,000	Q4.L.A	Boston Children's Hospital
Rapid characterization of balanced genomic rearrangements contributing to autism	$53,459	Q3.L.B	Massachusetts General Hospital
Recessive genes for autism and mental retardation	$0	Q3.L.B	Beth Israel Deaconess Medical Center
Regulation of synaptogenesis by cyclin-dependent kinase 5	$180,264	Q2.Other	Massachusetts Institute of Technology
Retrograde synaptic signaling by Neurexin and Neuroligin in C. elegans	$250,000	Q2.Other	Massachusetts General Hospital

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RNA expression patterns in autism	$705,545	Q3.L.B	Boston Children's Hospital
RNA expression studies in autism spectrum disorders	$500,000	Q1.L.A	Boston Children's Hospital
Signatures of gene expression in autism spectrum disorders	$0	Q1.L.A	Boston Children's Hospital
Simons Simplex Collection Site	$124,993	Q3.L.B	Boston Children's Hospital
Simons Variation in Individual Project (Simons VIP) Core Leader Gift	$8,244	Q2.S.G	Boston Children's Hospital
Simons Variation in Individuals Project (VIP) Imaging Analysis Site	$28,560	Q2.S.G	Harvard University
Simons Variation in Individuals Project (VIP) Site	$509,875	Q2.S.G	Boston Children's Hospital
Studying the impact of service-learning on career development, self-determination, and social skill building for youth with autism spectrum disorders	$300,000	Q6.S.A	University of Massachusetts Boston
Supporting the well-being of families of young children with autism spectrum disorders	$0	Q5.Other	Boston University School of Medicine
The Autism Curriculum Encyclopedia® (ACE®)	$0	Q4.Other	New England Center for Children, Inc.
The brain genomics superstruct project	$75,000	Q2.S.G	President & Fellows of Harvard College
The Brain Genomics Superstruct Project	$0	Q2.L.B	Harvard University
The effects of autism on the sign language development of deaf children	$47,210	Q2.Other	Boston University
The effects of disturbed sleep on sleep-dependent memory consolidation and daily function in individuals with ASD	$89,545	Q2.S.E	Beth Israel Deaconess Medical Center
The microRNA pathway in translational regulation of neuronal development	$352,647	Q2.S.D	University of Massachusetts Medical School
The role of intestinal microbiome in children with autism	$25,000	Q3.S.I	Harvard Medical School
The role of the neurexin 1 gene in susceptibility to autism	$0	Q3.L.B	Massachusetts General Hospital/Harvard Medical School
The role of UBE3A in autism	$62,500	Q2.S.D	Harvard Medical School
Training school speech-language pathologists to assess and manage communication skills in children with autism	$199,996	Q5.Other	University of Massachusetts Amherst
Transition age young adults with autism: The role of self-determination, social skills, job search, transportation, and rehabilitation services in employment outcomes	$100,000	Q6.S.A	University of Massachusetts Boston
Transition to adult services for youth with autism spectrum disorder	$294,647	Q6.L.A	Massachusetts General Hospital
Underlying mechanisms in a cerebellum-dependent model of autism	$0	Q2.S.D	Harvard Medical School
Understanding the cognitive impact of early life epilepsy	$836,550	Q2.S.E	Boston Children's Hospital

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Use of a family navigator in families with children newly diagnosed with autism spectrum disorder	$298,072	Q5.S.A	Boston University School of Medicine
Using a direct observation assessment battery to assess outcome of early intensive behavioral intervention for children with autism	$10,000	Q1.L.B	New England Center for Children, Inc.
Using Drosophila to model the synaptic function of the autism-linked NHE9	$75,000	Q4.S.B	Massachusetts Institute of Technology
Using near-infrared spectroscopy to measure the neural correlates of social and emotional development in infants at risk for autism spectrum disorder	$15,000	Q1.L.A	Harvard University
Using zebrafish and chemical screening to define function of autism genes	$199,999	Q4.S.B	Whitehead Institute for Biomedical Research